DERWENT-ACC-NO: 1997-298478

DERWENT-WEEK:

199727

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TITLE:

Blasting appts. for underground and

surface mining - has

control device which is connected to

sequence of row

monitors to enable sequential

initiation of blasting in

each row, from time base

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PATENT-ASSIGNEE: ALTECH IND PTY LTD [ALTEN]

PRIORITY-DATA: 1995ZA-0004103 (May 19, 1995)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

ZA 9607019 A

April 30, 1997

N/A

033

F42D 000/00

APPLICATION-DATA:

PUB-NO

APPL-DESCRIPTOR

APPL-NO

APPL-DATE

ZA 9607019A

N/A

1996ZA-

0007019

August 19, 1996

INT-CL (IPC): F42C000/00, F42D000/00

RELATED-ACC-NO: 1997-298479, 1997-298480

ABSTRACTED-PUB-NO: ZA 9607019A

BASIC-ABSTRACT:

10/10/06, EAST Version: 2.0.3.0

The appts. includes a row  $\underline{monitor}$  connectable to at least one row of

sequentially connected <u>detonators</u> to enable commencement of a sequence of

blasting <u>detonators</u> in that row from a base time. A control device is

connected to a sequence of row  $\underline{\textbf{monitors}}$  to enable sequential initiation of

blasting in each row, from the time base.

A remotely located blast initiator is arranged to instruct the **control** device

to initiates the blast. The Row  $\underline{\text{monitor}}$  has a time delay device with an

insertable time delay unit of predetermined delay capacity. A remotely located

blast <u>controller</u> has radio transmitter and receiver for secure communication with the blast initiator.

ADVANTAGE - Provides easy and safe set up of blast and blast sequence.

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: BLAST APPARATUS UNDERGROUND SURFACE MINE CONTROL DEVICE CONNECT

SEQUENCE ROW MONITOR ENABLE SEQUENCE INITIATE BLAST ROW TIME BASE

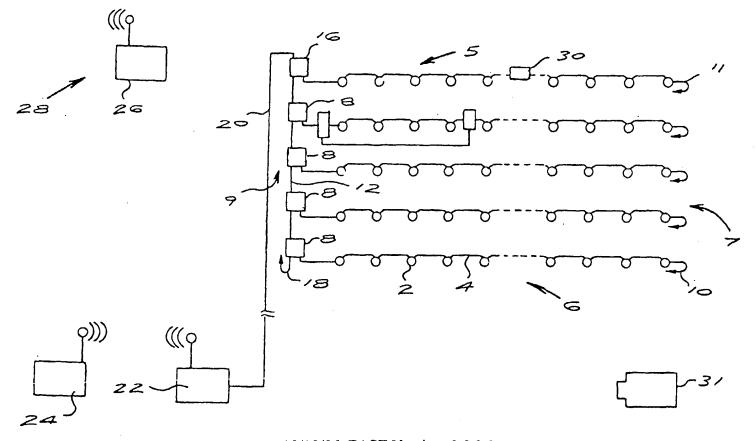
DERWENT-CLASS: Q79 T01 T06 X25

EPI-CODES: T01-J07; T06-D11; X25-D02;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-246635

10/10/06, EAST Version: 2.0.3.0



10/10/06, EAST Version: 2.0.3.0